# WASHINGTON STATE BUILDING CODE COUNCIL APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT TO THE WASHINGTON STATE BUILDING CODE

2012 Code Adoption Cycle

Log# 13-601 (office use only)

## PLEASE FOLLOW INSTRUCTIONS ON PAGE FIVE

1. State Building Code to be Amended:		
[X] International Building Code	[ ] State Energy Code	
[ ] International Existing Building Code	[ ] International Mechan	ical Code
[ ] International Residential Code	[ ] International Fuel Ga	s Code
[ ] ICC ANSI A117.1 Accessibility.Code	[ ] NFPA 54 National Ft	nel Gas Code
[ ] International Fire Code	[ ] NFPA 58 Liquefied I	Petroleum Gas Code
[ ] Uniform Plumbing Code		
Section <u>WAC 51-50-0908.7</u> Page		
2. Applicant Name (Specific local government, orga	nization or individual):	
Washington State Department of Corrections		
3. Signed:	Director, Capital Programs	2/27/13
Proponent	Title	Date
4. Designated Contact Person:		
Jack A. Olson, PE Environm Name	ental Manager Title	
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5. Proposed Code Amendment. Use 'legislative format' including both old and new language. See instructions on page five for specific details. Please use a separate sheet for each separate proposal.

Code WAC 51-50-0908.7

Section 908 Emergency Alarm Systems

Page \_\_\_\_

Amend section to read as follows:

[F] 908.7 Carbon monoxide alarms. Group R occupancies shall be provided with carbon monoxide alarms. The carbon monoxide alarms shall be listed as complying with UL 2034 and be installed and maintained in accordance with NFPA 720 and the manufacturer's instructions.

- EXCEPTION: Sleeping units or dwelling units in R-1 occupancies and R-2 college dormitories, hotel, <u>DOC prisons and work releases</u>, and DSHS licensed boarding home and residential treatment facility occupancies which do not themselves contain a fuel-burning appliance, or a fuel-burning fireplace, or have an attached garage, but which are located in a building with a fuel-burning appliance, or a fuel-burning fireplace, or an attached garage, need not be provided with carbon monoxide alarms provided that:
  - 1. The sleeping unit or dwelling unit is not adjacent to any room which contains a fuel-burning appliance, a fuel-burning fireplace, or an attached garage; and
  - 2. The sleeping unit or dwelling unit is not connected by duct work or ventilation shafts with a supply or return register in the same room to any room containing a fuel-burning appliance, a fuel-burning fireplace, or to an attached garage; and
  - 3. The building is provided with a common area carbon monoxide alarm system.
  - 4. An open parking garage, as defined in the *International Building Code*, or enclosed parking garage ventilated in accordance with Section 404 of the *International Mechanical Code* shall not be deemed to be an attached garage.

Are additional pages attached?

No

Please note number of additional pages:

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Supporting Data for Statewide Amendment Proposals. This information is required for all statewide amendment proposals. <u>Attach supporting documentation</u>, as necessary; incomplete proposals will not be accepted.

The SBCC requires supporting data on any amendment proposal to show:

- a. That it meets basic criteria See Part I to specify how this proposal meets the criteria for code amendment.
- b. The intended effect—See Part II to describe the purpose of the proposed amendment, including the benefits and the problems addressed.
- c. The potential impacts or benefits to business—See Part III/Types of Construction, to explain how methods in construction businesses, industries and services would be affected.
- d. The potential impact on enforcement procedures, See Part III/Types of Services Required, to provide some analysis of the impacts on code enforcement in local jurisdictions.
- e. Economic costs and benefits Use the Table in Part IV of this form to estimate the costs and benefits of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance.

## Part I & Background information on amendment.

Code References: WAC 51-50-0908.7 Titl	le: Emergency Alarm Systems
Related codes:	(Does this amendment change other related codes?)
Proponent: Department of Corrections Ph	one: (360) 725-8352 Date: February 27, 2013

NOTE: State-wide and emergency state-wide amendments to the state building code must be based on one of the following criteria; please indicate the pertinent rationale for the proposed amendment by selecting from the list below:

- (1) The amendment is needed to address a critical life/safety need.
- (2) The amendment is needed to address a specific state policy or statute.
- (3) The amendment is needed for consistency with state or federal regulations.
- (4) The amendment is needed to address a unique character of the state.
- (5) The amendment corrects errors and omissions.

#### Part II ♦ Amendment Benefit:

PROBLEM(S) ADDRESSED (Describe the intended effect of the proposed code amendment):

The current WAC requires that Correctional Facilities, that are classified as Group R-2 Occupancies will be required to be equipped with CO alarm systems by June 2013. This would include eight (8) minimum security prisons and sixteen (16) Work Release Facilities. These facilities are closely regulated and monitored by 24 hour per day, 7 days per week staff. Offenders are not allowed to have fuel burning apparatus in their sleeping rooms and regular checks are made on offenders in all parts of the buildings. Due to possible tampering, alarm systems within Corrections Facilities need to be designed and installed to limit access making them custom systems that are not readily available off the shelf. The estimated cost to install CO alarms within the Minimum Camps and Work Release Facilities is \$1.5 million.

DSHS similar facilities are already exempted.

PRIMARY REASON FOR AMENDMENT: (Describe how the amendment meets one of the criteria listed above)

Exempting DOC Facilities along with DSHS Facilities (already exempted) will eliminate the need to install and maintain costly CO alarm systems.

### TYPE OF BENEFITS PROJECTED:

It is not possible for DOC Facilities to be in compliance by June 2013. The time required nor the funding is not available prior to the compliance date. Monies would not have to be spent to design, install, and maintain alarm systems that would not increase the safety of Corrections Facilities.

Part III ♦ Amendment Impacts or Benefits:  TYPES OF CONSTRUCTION: X New Construction  □ Residential-Single Family □ Residential-Multi Family	X Alteration/Tenant Improvement/Repair ☐ Commercial ☐ Industrial
List businesses/industries affected by amendment:	
Fire Protection Industry: Specific Construction Contractors & Trades: Construction Supply Industry: Specialty Trades: Types of Buildings: Manufacturers:	
TYPES OF SERVICES REQUIRED: List any reporting, record keeping or other requirements. Indicat available from multiple sources.	te if equipment, material or services required by this proposal are

## Part IV ♦ Amendment Costs and Benefits

	Construction <sup>1</sup>		Enforcement <sup>2</sup>			Operations & Maintenance <sup>3</sup>			
	Costs	% impact4	Benefits <sup>5</sup>	Costs	% impact4		Costs	% impact <sup>4</sup>	
Residential					7.0 — 2.00	- 20110110	Costs	76 mipact	Denenia
Single family	4								
Multi-family	199								
Commercial/Retail									
Industrial									
Institutional									

<sup>1 \$ /</sup> square foot of floor area or other cost. Attach data. Construction costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to the owner/consumer.

<sup>&</sup>lt;sup>2</sup> Cost per project plan. Attach data. Enforcement costs include governmental review of plans, field inspection, and other action required for enforcement.

<sup>&</sup>lt;sup>3</sup> Cost to building owner/tenants over the life of the project.

<sup>&</sup>lt;sup>4</sup> Cost differential over a specific size project or range of projects as determined by the proponent. Provide sufficient cost and benefit detail to clarify the impact to the Council. All data should be created and referenced to third party reputable sources for verification.

<sup>&</sup>lt;sup>5</sup> Note sectors with measurable benefit from Part II.

